Confidential
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MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

OCTOBER, 1942

J. A. BROWN, DIRECTOR

Printed at the American Press
Beirut, Syria

STATISTICS DIVISION

OCTOBER 1942

METEOROLOGICAL REGISTER

Date	Barometer reduced to 0C Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	*8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	59.8	59.0	58.6	59.1	30.0	22.8	24.1	29.3	24.4	25.9
2	7.1	6.2	6.0	6.4	28.2	21.8	23.9	27.5	23.4	24.9
3	5.8	4.0	6.3	5.4	32.0	21.6	23.2	28.8	28.1	26.7
4	9.3	61.3	61.5	60.7	27.0	19.5	25.4	20.4	23.0	22.9
5	62.6	2.0	2.2	2.3	30.3	23.4	23.4	29.4	25.1	25.9
6	63.8	63.7	64.1	63.9	29.7	22.8	26.9	29.6	25.1	27.2
7	4.1	3.6	3.7	3.8	29.0	21.4	24.3	28.3	23.2	25.3
8	4.0	2.9	3.0	3.3	28.1	21.1	22.1	27.6	22.9	24.2
9	2.3	1.9	1.7	2.0	29.0	21.4	22.5	28.2	23.8	24.8
10	1.4	0.6	1.4	1.1	30.7	23.9	24.1	29.4	25.6	26.4
11	61.7	61.3	61.3	61.4	33.4	24.1	30.0	29.6	26.0	28.5
12	1.4	1.7	2.5	1.9	29.6	22.4	25.6	28.9	24.8	26.4
13	2.7	2.2	2.7	2.5	27.0	20.6	23.8	26.1	23.2	24.4
14	2.6	1.3	1.1	1.7	27.2	20.9	22.5	26.7	22.9	24.0
15	0.9	0.0	0.1	0.3	26.0	18.7	22.8	23.9	21.7	22.8
16	59.4	58.2	58.0	58.5	26.4	16.4	19.3	23.4	19.3	20.7
17	2.8	2.0	1.6	2.1	21.9	16.4	20.6	17.4	17.8	18.6
18	6.2	7.0	8.8	7.3	23.9	19.0	19.1	23.3	19.8	20.7
19	60.5	9.8	61.0	60.4	25.0	17.6	20.6	23.3	20.3	21.4
20	0.7	9.8	1.2	0.6	25.1	17.6	17.8	23.8	19.9	20.5
21	61.6	61.1	62.6	61.8	25.0	18.0	19.7	23.8	18.8	20.8
22	2.8	1.8	1.9	2.2	24.6	19.6	21.1	23.9	21.2	22.1
23	1.9	1.1	0.7	1.2	25.3	20.0	20.7	24.3	20.2	21.7
24	59.6	58.3	59.6	59.2	25.5	18.9	21.0	25.2	21.6	22.6
25	9.6	9.7	60.0	9.8	25.8	18.7	20.7	21.2	19.0	20.3
26	60.6	59.6	59.9	60.0	25.4	17.7	21.0	24.3	19.3	21.5
27	1.4	61.3	62.6	1.8	23.9	17.6	19.8	22.9	20.1	20.9
28	3.8	2.7	2.7	3.1	23.3	16.6	17.6	22.8	16.6	19.0
29	2.7	1.6	1.5	1.9	23.1	17.7	18.9	22.4	19.3	20.2
30	1.6	0.8	1.0	1.1	23.6	16.8	19.3	23.4	17.7	20.1
31	0.8	59.6	59.3	59.9	24.0	17.4	19.3	23.1	19.6	20.7
	60.82	60.20	60.60	60.53	26.74	19.75	21.96	25.23	21.73	22.97

Barometer, range for month 751.6 — 764.1 mm.
,, 62-yr. average for month 761.39 mm.
Thermometer, range for month 16.4° — 33.4° C.
,, 62-yr. average for month 24.53° C.
Rain, total for month 142.47 mm.
,, , 62-yr. average for month 49.28 mm.
,, , total, from Sept. 1st 147.07 mm.
62-yr. average, total from Sept. 1st 55.88 mm.

Summer time

OCTOBER 1942

METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	16.9	18.8	19.2	18.3	76	62	84	74	8.3	203.0	
2	17.7	17.9	18.1	17.9	80	66	84	77	6.8	201.6	
3	14.3	17.2	13.1	14.9	68	57	46	57	3.8	504.0	
4	15.6	16.0	13.6	15.1	65	90	65	73	1.5	368.0	5.58
5	15.0	19.9	19.5	18.1	70	64	82	72	8.0	256.0	
6	17.9	22.6	18.7	19.7	68	73	79	73	9.1	184.0	
7	17.9	18.2	18.0	18.0	80	64	85	76	8.6	195.2	
8	13.1	16.3	16.9	15.4	66	60	81	69	9.4	160.0	
9	13.7	16.9	16.5	15.7	67	60	75	67	9.1	292.8	
10	16.0	18.1	20.6	18.2	71	60	84	72	8.4	435.2	
11	12.5	22.9	19.3	18.2	39	74	77	63	5.3	236.0	
12	16.9	21.3	16.7	18.3	69	72	72	71	8.3	472.0	
13	14.8	15.0	13.9	14.6	67	59	66	64	6.0	419.2	0.51
14	13.3	15.5	14.6	14.5	65	59	70	65	7.9	472.8	
15	14.5	15.1	15.9	15.2	70	68	83	74	5.4	454.4	5.33
16	15.7	14.1	15.6	15.1	94	66	94	85	4.0	569.6	13.97
17	12.4	14.5	13.3	13.4	69	98	88	85	0.2	832.0	46.22
18	15.1	14.9	13.4	14.5	92	70	78	80	5.6	502.4	21.33
19	12.5	15.1	13.7	13.8	69	71	77	72	4.8	569.6	
20	14.2	14.1	13.4	13.9	94	64	77	78	4.8	416.0	2.29
21	12.2	13.7	15.2	13.7	71	62	94	76	5.6	480.0	
22	14.5	15.4	15.3	15.1	77	70	81	76	8.3	216.0	12.70
23	14.6	15.5	15.2	15.1	81	69	86	79	8.5	168.0	
24	15.6	17.3	16.8	16.6	84	73	87	81	8.8	156.8	
25	13.2	16.1	13.0	14.1	73	83	80	79	4.5	348.8	2.03
26	12.7	14.5	15.0	14.1	70	64	90	75	6.0	460.8	1.52
27	13.6	14.1	14.1	13.9	79	68	81	76	5.4	339.2	6.35
28	14.4	15.6	13.2	14.4	96	76	94	89	4.3	337.6	5.59
29	13.4	14.4	14.0	13.9	83	72	84	80	9.5	240.0	2.79
30	13.0	14.0	13.0	13.0	72	66	86	75	4.3	216.0	5.08
31	12.0	13.7	14.0	13.2	72	66	83	74	6.0	435.2	11.18
	14.45	16.40	15.56	15.48	74.0	68.5	80.4	74.4	6.35	359.58	4.59

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.: Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of readings minus 3 hours equals G.C.T.

62 year averages are for period, 1875-1936

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	3cu	1.0	1sw	2sw	0	calm	
2	0	7ci	0	2.3	1sw	1nw	0	„	
3	6cu	8cu	0	4.7	0	1e	2se	light	tr. of rain and siro.
4	3cu	10ni	7cu	6.7	2sw	0	1sw	calm	
5	4cu	6cu	0	3.3	0	0	1sw	light	
6	3cu	0	3cu	2.0	1sw	1sw	0	calm	
7	0	0	0	0.0	0	1nw	0	„	
8	0	0	0	0.0	0	2nw	0	„	
9	1stratus	0	0	0.3	0	2n	0	light	
10	0	0	5cu	1.7	0	2n	1nw	„	
11	10cu	1stratus	0	3.7	1sw	1ne	0	calm	tr. of rain a.m.
12	8cu	6cu	0	4.7	0	2sw	0	„	sudden sw. w. at 10
13	3cu	8cu	2cu	4.3	2sw	3sw	1sw	slight	p.m.
14	2cu	2cu	6cu	3.3	1sw	2sw	1sw	light	
15	3cu	5cu	10cu	6.0	2sw	1sw	1sw	slight	lightning & th. st.
16	10ni	9ni	9ni	9.3	1sw	2sw	0	slight	lightning & th. st.
17	10ni	10ni	10ni	10.0	4sw	2sw	1sw	rough	
18	10ni	3cu	9cu	7.3	0	1sw	2sw	mod.	
19	5cu	10cu	10cu	8.3	2sw	4sw	2sw	„	
20	10ni	4cu	2cu	5.3	0	2sw	1sw	slight	
21	2cu	10cu	10ni	7.3	1sw	2sw	1sw	light	
22	4cu	2cu	9cu	5.0	1sw	2sw	1sw	„	
23	1stratus	0	0	0.3	1se	1sw	0	„	
24	3ci	5cu	6cu	4.7	1nw	1w	0	calm	12:15 p.m
25	1cu	10cu	2cu	4.3	1e	2e	1se	slight	sudden G. force at
26	2cu	9cu	2ni	4.3	0	3sw	0	slight	
27	6cu	5cu	2cu	4.3	1se	1sw	0	„	
28	10ni	3cu	10ni	7.7	1sw	2sw	0	„	lightning & th. st.
29	2cu	2cu	0	1.3	1se	1sw	0	„	
30	5cu	9cu-ni	2cu	5.3	1se	1sw	0	light	
31	10cu	10cu	6ni	8.7	0	1nw	1w	slight	
				4.46					

* Abbreviations :— G = gale ; H = haze ; M = mist ; T = thunderstorm ; D = dew. W = strong wind.

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	0	0	1	4	0	14	0	1	11	31
14:30	2	1	2	0	0	19	1	4	2	31
20:30	0	0	0	2	0	11	1	1	16	31
Totals	2	1	3	6	0	44	2	6	29	93

Number of days with rain 15, fog 0, thunderstorms 3, gale 1.

62 yr. av. days with rain during month 3.5 days